

# ABSTRACT

The present invention relates to a human modified thioredoxin composed of any of the following polypeptides: (a) a polypeptide modified by alteration or chemical modification of a cysteine residue at position 35 with another amino acid in an amino acid sequence of SEQ ID NO:2; and (b) a polypeptide having an amino acid sequence having one or more substituted, deleted, inserted or added amino acids in positions except for positions 32 and 35, preferably positions 32 to 35 in the amino acid sequence of SEQ ID NO:2, and having an apoptosis-inducing activity.